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U. S. Department of Agriculture

1943

IRIS

If you go among your flowers,
During the closing evening hours,
When the sun is slowly sinking in the west,
Then you'll see the radiant glows,
From the golden light that flows,
Through the sunlight petals ere they go to
rest.

SOUTHERN PACIFIC

On the inside of this front cover you will find
the description of our new iris SOUTHERN
PACIFIC.
This sensational introduction is a fit symbol
of the great SOUTHERN PACIFIC. Grand
and invincible.

W. E. TAYLOR
AMITY
GARDENS

Amity, - Oregon
Box 43

When the sun shines through your
iris blooms you will see in many of
them worlds of jewels, like millions
of tiny diamonds set in transparent
leaf gold.

IMPORTANT

Please read this entire page carefully

VARIETIES

Many of the late varieties are wonderful creations, masterpieces of the highest type, and we commend them to your attention.

We can only mention a few of them here owing to the limited space available, but outstanding are, Aztec Copper, Grand Canyon, Naranja, Copper Lustre, Ormohr, Mohrson, Southern Pacific and a host of others,

In obtaining our collection, we have endeavored to select the most attractive iris from hundreds of fine kinds, and feel sure our selection affords a good range of color from which our patrons can secure a satisfactory collection with which to beautify their home gardens and grounds. With every order we send out we will send a folder, "About Iris", which gives some helpful hints about the care of iris and also about combatting some of the pests which bother us by destroying much of what we work very hard to grow. If you have a friend who may wish our folder, a penny post card will bring it to them. Just drop us a line.

THE NEW IRIS SOUTHERN PACIFIC

From its first appearance in our gardens, this wonderful iris has been a strong, and very vigorous growing plant with leaves tall, smooth and strong, and with tall strong stems well branched. The huge blooms are well placed, and many reach a spread of nine inches. Both standards and falls are inclined to curve and have a slight ruffle around the edges. The standards have a strong midrib and stand straight and almost closed. The falls are semi-flaring, drooping enough at the outer edge to give the bloom a very artistic appearance. Texture firm. Color, a soft shade of rich lavender blue and has a delicate pinkish glow throughout, with a light area through the center, and the falls are penciled darker through the haft. The beard is orange at the base, shading to lighter at the outer end. Blooms open two to four at a time on a stem. Stems three to four feet tall. The plants have withstood freezing weather, wind and rain storms as well or better than other large iris under same conditions. Blooming period around thirty days. This is a gracious addition to the iris family, and gives a full measure of beauty and size and a soft pleasing pacific tone. Each \$10.00

SHIPPING TIME

June fifteenth and through July is the best time to reset iris, but August and September are fairly good. We will ship later if so desired. We recommend, however, that orders be sent as early as possible as it is a decided advantage to get the plants in early so that they will be well established by winter and will be more sure to give satisfactory blooms the following season. We pack our iris in excelsior and ship only strong vigorous plants and consider them out of our control after the shipment is delivered to the transportation agency here, but will be glad to be advised if they do not reach you in good condition. However, we cannot guarantee any iris to live or grow under conditions over which we have no control.

TERMS

Cash to accompany all orders, checks, money orders, or currency will be acceptable, but we recommend that all letters containing currency be registered. All orders must be for one dollar or over, and all orders are received subject to prior sale or to conditions and circumstances existing when orders are received. We ship by parcel post unless otherwise instructed. We pay transportation charges to all points within the United States.

Please write or print your name and address plainly.

- ALTA CALIFORNIA**..... Ea. 25c 3 for 50c
 Lite golden yellow, tall and imposing,
 large blooms.
- AMITOLA**..... Ea. 35c 3 for \$1.00
 Huge dusty pink and rose blend of fine quality,
 excellent blooms with golden russet center.
- ANAKIM**..... Ea. 35c 3 for 90c
 Large lavender blue, strong grower and a good
 propagator, lovely blooms, excellent form.
- ARCTIC**..... Ea. \$3.00 3 for \$8.00
 Large fine white with excellent form, ruffled
 with broad falls and closed standards, wonderful new
 white of delightful effect.
- AZTEC COPPER** Ea \$3.00, 3 for \$8.60
 A copper violet blend of rare beauty and
 charm, nothing just like it, large blooms, fine texture,
 splendid effect, one of the very best of the copper bronzes
 yet produced.
- BIRCHBARK**..... Ea \$1.00, 3 for \$2.60
 Lovely creamy white, large blooms, good
 texture and splendid form.
- BLACK WINGS**..... Ea 25c, 3 for 50c
 Very dark purple, almost black, fine texture,
 black velvety finish.
- BLUE VELVET**..... Ea. 25c 3 for 50c
 Wonderful deep velvety purple. Excellent
 fascinating sheen, large blooms on strong stems. One of
 the loveliest deep blues.
- BUECHLEYS GIANT**..... Ea. 25c 3 for 50c
 Huge clear lavender blue, of fine
 quality. Tall, strong, and majestic. One of the really
 splendid giants in iris.
- BURNING BRONZE**..... Ea. 25c 3 for 50c
 Reddish bronze and purple. Very striking
 coppery tone, good texture, fine form, and attractive
 appearance.
- BUTO**..... Ea. 25c 3 for 50c
 Dark purple, fine velvety texture, good form,
 and likable.
- CALIFORNIA GOLD**..... Ea. 25c 3 for 60c
 Golden yellow. Large fine flower of
 excellent quality.
- CHINA MAID**..... Ea. \$1.00 3 for \$2.60
 Glorious pink blend of the very finest quality.
 Fine texture, good blooms, pleasing tone.
- COPPER LUSTRE**..... Ea. 40c 3 for \$1.00
 Pinkish tan, blending into copper and
 gold. One of the finest coppery kinds. Fine texture
 good blooms on medium tall, strong stems. An unusual
 flower.
- DAUNTLESS**..... Ea. 25c 3 for 50c
 Reddish purple
- DIRECTEUR PINELLE**..... Ea. 25c 3 for 60c
 Mauve, of good texture, smooth tone,
 and splendid form.

- EASTER MORN**..... Ea. 40c 3 for \$1.00
Almost pure white, slight creamy tint, beautifully domed standards, large flaring falls, vivid orange beards.
- EL CAPITAN**..... Ea. 25c 3 for 50c
Large lavender blue, tall strong stems, blooms of beautiful tone, well placed.
- ELEANOR ROOSEVELT**..... Ea. 25c 3 for 60c
Lovely dark purple, fine texture.
Fall bloomer.
- ETHELWYN DUBUAR**..... Ea. 25c 3 for 50c
Lovely soft pink. Has the tone of lovely orchid. One of the finest and most beautiful pinks.
- ETHIOP QUEEN**..... Ea \$1.00, 3 for \$2.75
Dark purple, almost black, velvety texture, fine blooms and a strong grower.
- EUPHONY**..... Ea. 25c 3 for 50c
Mustard yellow. Fine novelty.
- FAR WEST**..... Ea 50c, 3 for \$1.35
Wonderful blend of salmon, gold, coral and henna, large blooms with golden glow through the heart and deep orange beard.
- FRIEDA MOHR**..... Ea. 25c 3 for 50c
Fine tall pink
- GLORIOLE**..... Ea 35c, 3 for \$1.00
Fine blue, large blooms well placed on strong stems, good bloomer.
- GLOWPORT**..... Ea. 50c 3 for \$1.35
Wine red, attractive glow through the heart, bronze yellow beard. A rich red of charm and merit.
- GOLDEN HIND**..... Ea. 35c 3 for \$1.00
Rich golden buttercup yellow, good form, vivid orange beard. A great golden.
- GRACE STURTEVANT**..... Ea. 25c 3 for 50c
Soft tan and violet purple.
- GRAND CANYON**..... Ea. \$4.00
Deep blend of gold and copper, strikingly beautiful tone, blooms very large, It is different from all other iris.
- GREAT LAKES**..... Ea. \$2.00
Clear blue self of exceptional merit, tall, graceful, grand. Considered one of the most perfect iris yet produced.
- GUDRUN**..... Ea 25c, 3 for 60c
Soft creamy white, lovely blooms, good form, fine texture.
- HAPPY DAYS**..... Ea 35c, 3 for \$1.00
Light yellow, strong grower, soft smooth tone, very fine.
- ICY BLUE**..... Ea \$3.00
Light delicate blue, clear icy tone, large lovely blooms, almost white. very unusual and attractive.
- INDIAN CHIEF**..... Ea. 25c 3 for 50c
Combination of pink and red.

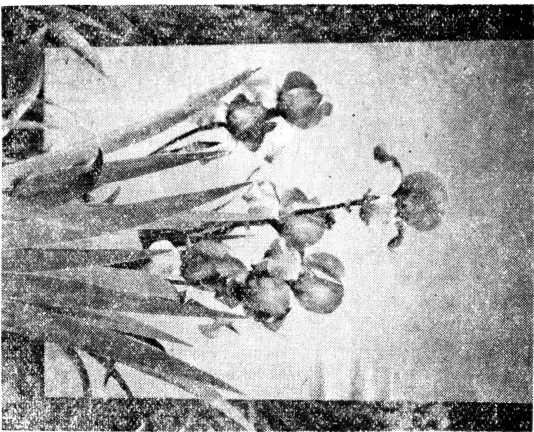
ADDRESS, AMITY GARDENS, BOX 43, AMITY, OREGON

- ITASCA** Ea 40c. 3 for \$1.10
 Deep purple, fine silky texture. A rich purple of great merit.
- JEAN CAYEUX** Ea 25c, 3 for 50c
 Soft light buff self, splendid form and texture and a most unusual color of rare beauty.
- JERRY** Ea 25c, 3 for 50c
 Standards soft pinkish tan, falls deep purplish red, deep in color, splendid in form and one of the best reds.
- JUNALUSKA** Ea 40c, 3 for \$1.10
 Blend of red copper rose and gold, early lovely blooms on tall graceful stems, really fine.
- KALINGA** Ea 35c, 3 for \$1.00
 Warm cream, large soft toned blooms, lots of fine flowers. Very pleasing.
- KING MIDAS** Ea 25c 3 for 50c
 Golden buff and reddish brown
- KING TUT** Ea. 25c 3 for 50c
 Reddish brown and deep red and golden yellow
- LADY PARAMOUNT** Ea. 35c 3 for \$1.00
 Primrose yellow. Fine soft texture, large, well placed blooms on good stems.
- LEGEND** Ea, 25c 3 for 50c
 Lavender blue and rich claret.
- LOS ANGELES** Ea. 25c 3 for 50c
 White placata, with edging of lavender blue. Splendidly penciled. Flowers large, on tall graceful stems. Very popular.
- MARCO POLO** Ea. 25c 3 for 60c
 Bright rose and crimson. Flowers vivid and strikingly beautiful.
- MARTIE EVEREST** Ea. 25c 3 for 50c
 Soft clear lavender blue. Lovely tone. Fine blooms. Good grower. Fall bloomer. Very desirable.
- MARY GEDDIS** Ea. 25c 3 for 60c
 Salmon orange, deeper toned falls, good blooms, well placed.
- MELDORIC** Ea 25c, 3 for 50c
 Rich deep black purple,
- MISS CALIFORNIA** Ea. 60c 3 for \$1.65
 Tall lilac pink. Large blooms, very graceful. One of the most satisfying lovely pinks.
- MISSOURI** Ea. 50c 3 for \$1.40
 Clear blue of fine quality. Large blooms, of excellent form and lovely tone.
- MOHRSON** Ea. 60c 3 for \$1.65
 Huge deep violet seedling from the famous iris William Mohr. Blooms are of exceptional beauty and size. One of the outstanding late introductions.
- MONADNOCK** Ea. \$1.00
 Rose red. Large attractive blooms, of good form and texture. One of the best in new iris.

- MOUNTAIN SUNSET**..... Ea. 35c 3 for \$1.00
 Old gold and fawn suffused with varying shades of violet. Large blooms, of fine tone and splendid form.
- NARANJA** Ea. 30c 3 for 75c
 Deep orange. Unusual in color scheme. Lovely in effect, and very attractive.
- NATIONAL GIANT**..... Ea. \$10.00
 Rose violet, with bronze tone. Large blooms of good quality and texture. On strong well branched stalks.
- OREGON GIANT**..... Ea \$1.00
 Large dark velvety purple. Wonderful blooms on strong stems. An exceptional late bloomer.
- ORMOHR**..... Ea. \$1.50
 Pale lilac. A huge seedling from the iris William Mohr, and one of the unusual colors of that strain of iris. Lovely blooms on strong stems. Strong grower of merit.
- PERSIA**..... Ea. 35c 3 for \$1.00
 Grayish lavender and rich purple. One of outstanding merit, of good form, and fine texture, and soft tone.
- PHEBUS**..... Ea. 25c 3 for 50c
 Creamy yellow, mellow soft tone, fine blooms, medium tall. One of the most pleasing of its class.
- PRESIDENT PILKINGTON**..... Ea 25c, 3 for 50c
 Fine mauve,
- PURISSIMA** Ea. 25c 3 for 50c
 Clear pure white. Large blooms on tall graceful stems. Fine form and good texture.
- RED DOMINION**..... Ea 25c, 3 for 50c
 Dark red and purple.
- SACRAMENTO**..... Ea 25c 3 for 50c
 Lovely white placata
- SANDALWOOD**..... Ea. 40c 3 for \$1.10
 Soft fawn brown and salmon blended with mauve and tan. A lovely tone, fine blooms, and very satisfactory.
- SANTA BARBARA**..... Ea. 25c 3 for 50c
 Lavender blue, light soft tone, nice blooms, medium tall, beautiful in form.
- SAN DIEGO**..... Ea. 25c 3 for 50c
 Deep lavender blue, rich in color, and a profuse bloomer. One of the loveliest of the deep purplish lavenders.
- SAN FRANCISCO**..... Ea 25c, 3 for 50c
 Lovely white placata.
- SEADEEP** Ea. 50c 3 for \$1.40
 Deep blue bicolor. Standards sea blue, falls darker blue. A profuse bloomer, and one of the best blues of the late introductions.
- SENLAC**..... Ea 25c, 3 for 50c
 Purplish red, very fine.
- SENSATION**..... Ea 25c, 3 for 50c
 Lavender blue, one of our best blues.

- SHAHJEHAN**..... Ea 25c, 3 for 60c
 Buff and purple. Standards buff slightly edged lavender, falls chestnut brown merging into lavender, beard rich orange.
- SHINING WATERS**..... Ea 25c, 3 for 60c
 Clear sky blue, large bloom with flaring falls, tall, graceful, fine texture.
- SIEGFRIED**..... Ea 60c, 3 for \$1.50
 Pale sulphur yellow, penciled and dotted with purple, a placata of unusual merit.
- SIERRA BLUE**..... Ea 30c, 3 for 75c
 Soft clear blue of immense size, very showy and rivals all others in size and color, tall, graceful and attractive.
- SNOW KING**..... Ea 35c, 3 for 90c
 Pure white, large waxen blooms of rare beauty, one of the loveliest whites.
- SOUTHERN PACIFIC**..... Each \$10.00
 Huge lavender blue, soft tone, splendid texture and form, a rare beauty. See description inside front cover.
- SOUTHLAND**..... Ea 25c, 3 for 60c
 Lite golden yellow, lovely rich tone and a good fall bloomer.
- SPOKAN**..... Ea 25c, 3 for 60c
 Deep chestnut red suffused throughout with copper, golden glow through center, of good form and texture and pleasing tone.
- SUNGOLD**..... Ea \$1.00 3 for \$2.50
 Large bright golden yellow, fine texture, a flower of unusual merit.
- THE BLACK DOUGLAS**..... Ea 25c, 3 for 50c
 Big black blooms, one of the distinctive blacks, or darkest purples, a masterpiece in the dark kinds.
- TIFFANY**..... Ea \$1.00. 3 for \$2.50
 Soft yellow placata with brownish violet markings, one of the most attractive of the placata type.
- TREASURE ISLAND**..... Ea 50c, 3 for \$1.35
 Rich clear yellow. large bloom on tall strong stems, one of the best new yellows, tall, stately in appearance.
- VENUS DE MILO**..... Ea 25c, 3 for 60c
 Warm creamy toned white, bright orange beard, one of the best new whites.
- WILLIAM MOHR**..... Ea 25c, 3 for 50c
 Rich lavender and lilac, suffused and penciled soft grey which gives it a most unusual and distinguished soft silvery tone.
- WINNESHIEK**..... Ea 25c, 3 for 50c
 Deep bluish purple. One of the very best, splendid form, rich color, high class and very showy.
- ZUNI**..... Ea 25c. 3 for 50c
 Reddish brown and tan, suffused with copper all through, large attractive blooms, has a wonderful fiery glow in the sunlight.

W. E. TAYLOR
AMITY GARDENS
Box 43, Amity, Oregon
Return Postage Guaranteed



DEPARTMENT OF AGRICULTURE

WASHINGTON

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P. L. & R.

A M I T Y G A R D E N V S
S I R I Y R O T C I S

You can have a splendid assortment and save money by taking advantage of one or both of our collection offers. One plant of each kind indicated; labeled and pre-paid. In making up your orders be sure and confine your selection as outlined by our group arrangement. You may use this supplement for your order, just check the variety wanted and list the 25c varieties chosen from the folder or supplement, in the vacant space. We advise that you make a second choice in case the variety you wish is sold out, by placing a No. 2 before the name chosen for a second.

Collection No. One \$5.00

Any three from group "A" and any four from group "B" plus any six of the varieties listed in our folder or supplement at 25c each.

GROUP "A"

BIRCHBARK
CHINA MAID
ETHIOP QUEEN
TIFFANY
ORMOHR

GROUP "B"

MOHRSON
MISS CALIFORNIA
SIEGFRIED
FAR WEST
SEADEEP
GLOWPORT
TREASURE ISLAND
MISSOURI

Collection No. Two \$3.00

Any four from group "A" and any four from group "B" plus any six of the varieties listed in our folder or supplement at 25c each.

GROUP "A"

AMITOLA
ANAKIM
KALINGA
LADY PARAMOUNT
PERSIA
SNOW KING

GROUP "B"

COPPER LUSTRE
SANDALWOOD
JUNALUSKA
EASTER MORN
ITASCA
GLORIOLE
GOLDEN HIND
NARANJA
MOUNTAIN SUNSET

ALCAZAR,	Lavender.....	Ea. 25c	3 for 50c
ALLUWE,	Light yellow.....	Ea. 25c	3 for 50c
BALDWIN,	Violet purple.....	Ea. 25c	3 for 50c
BLUE CHINTZ	.....	Ea. 25c	3 for 50c
	White placata with lavender marking		
CLARA NOYES	.....	Ea. 25c	3 for 50c
	Peach and apricot blend		
COLUMBINE,	Pure white, ruffled..	Ea. 25c	3 for 50c
CORONATION,	Golden yellow.....	Ea. 25c	3 for 50c
DAMOZELLE,	Tall graceful placata....	Ea. 25c	3 for 50c
DEPUTE NOMBLLOT,	Rosy purple.....	Ea. 25c	3 for 50c
DOLLY MADISON,	Lovely mauve.....	Ea. 25c	3 for 50c
DREAM,	Tall graceful soft pink....	Ea. 25c	3 for 50c
EARLIEST OF EARLY	.....	Ea. 25c	3 for 50c
	Deep reddish purple, very early		
GOLDEN HARVEST	.....	Ea. 25c	3 for 50c
	Golden yellow, fall bloomer		
ISOLENE,	Lavender pink	Ea. 25c	3 for 50c
LARGO,	Light mellow yellow	Ea. 25c	3 for 50c
M. A. PORTER	.....	Ea. 25c	3 for 50c
	Lavender blue and purple		
MARQUISETTE,	Soft delicate shrimp pink	Ea. 25c	3 for 50c
MARY SENNI	.....	Ea. 25c	3 for 50c
	Mauve blended with ashes of roses		
MAZAMA,	Tall graceful lavender....	Ea. 25c	3 for 50c
MIDGARD.	pale pink, lovely tone	Ea. 25c	3 for 50c
MRS. HERBERT HOOVER	.....	Ea. 25c	3 for 50c
	Soft pink with golden glow through heart.		
MRS. VALERIE WEST,	deep reddish tan	Ea. 25c	3 for 50c
PALIDA DELMATICA,	lavender blue	Ea. 25c	3 for 50c
RAMESES,	Buff, rose pink and golden	Ea. 25c	3 for 50c
SEMINOLE,	Very deep red.....	Ea. 25c	3 for 50c
TAPESTRY,	Mulberry red.....	Ea. 25c,	3 for 50c
TUSCANY GOLD,	Old gold	Ea. 25c,	3 for 50c
WEDGEWOOD,	pure wedgewood blue	Ea. 25c	3 for 50c

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ABOUT IRIS

If you have no iris garden, your joy will be more complete when you start one, and if you have one, increase it to its utmost capacity, it will pay big dividends.

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BOX 43

Name

City _____

St. No. _____ State _____

502
R.

ABOUT IRIS

The American Iris Society, a most welcomed and highly appreciated organization was formed some years ago by iris lovers and growers to improve and promote iris to its present advanced development and high standing in the flower world. The society is a great help to hybridizers, nurserymen, iris growers, and all interested in flower growing and improvement. The society maintains a system by which all named varieties of iris are judged, registered and rated, with regards to their relative value.

It encourages the perfection of iris and advances popularity. It cooperates with iris societies of other countries and its work is international in scope. It sponsors iris shows and appoints competent judges and has instituted a system of awards whereby new introductions of merit compete for honors, the highest of which is the Dykps medal. It issues four bulletins each year giving valuable information about iris and also many ideas and suggestions from members of the society. The bulletin also gives a lot of information on the propagation of new varieties. Each year a list of all new introductions is published giving description and other data. The members, all who can, attend an annual meeting held each year at different places. This brings together all those interested in iris from the modest home gardener to the large commercial growers and most noted hybridizers, and the bulletins give a graphic account of the activities of the convention. The annual dues in the society is \$3.00 and you will be proud to be a member if you do not already belong. Any one wishing to join the society may send the amount of their dues to us and we will send it in for them, or just drop us a penny post card and we will tell you how to apply for membership.

IRIS FROM SEED

The iris is a splendid garden flower, easy to grow and very easy to care for. Its wide range of color and its many artistic shapes, its wonderful shades, its golden glows and its sparkling jewels, all go to make it one of the most wonderful creations of the flower kingdom.

There are thousands of varieties now existing and more and more wonderful new varieties are being created each year. We have come a long way from the old fashioned flag to the present day glorious bearded iris with its huge blooms of velvety texture and wonderful shades. As each season brings forth its new and startling improvements, iris lovers are seized with a strong desire to get right into the game of hybridizing and to try and create something new for themselves. Crossing is a simple process, but hybridizing for most effective and satisfactory results requires scientific work and a lot of experience.

To those who have not had the experience, these suggestions will be helpful. Look at your iris bloom and you will notice that it has six petals, three standing upright, called the standards, and three flaring out and downward, called the falls. The narrow part of the fall is called the haft, and on the haft is the beard, which is usually orange or yellow, but is sometimes whitish or blueish in tone, and just above the beard and extending out and over it you will find the stigma which separates at the outer end into two tips. These tips are called the crests. Beneath these crests you will find a small lip which runs across the stigma, and on this lip you place the pollen. Now by pulling down the fall you will find the slender white stamen fitted nicely into a groove in the stigma, and from this stamen you take the pollen by drawing a camel's hair brush up the under side, and then draw the pollen laden brush across the upper side of the lip, which if in the right condition to receive it, and if the pollen is right, the cross has a fair chance of becoming a reality. You will find blooms which have no pollen, and also many which will not easily take pollen, so do not be disappointed if many of your efforts avail you nothing, for many of them will be successful. A normal bloom which has pollen, and will take pollen, may be crossed with any other bloom of the same or similar qualifications.

The best time of day to take pollen is from around ten A. M. to four P. M., and on sunny days, for during this time both the pollen and the stigma are more likely to be in the best condition for the pollenization. If your efforts are successful, in about a week or ten days the seed pod at the base of the bloom will begin to swell, and with ordinary luck will continue to develop to maturity. When the seeds are ripe, the pods will turn brown and will split at the end, and the seeds can be removed by pressing the pods completely open. If you wish to keep a record of your cross, mark the bloom pollenized with a tag giving the name of the plant pollenized. "X" the plant from which you have taken the pollen, and when the seeds are gathered keep this tag with its respective lot of seed. The seed may be planted at any time after being taken from the pod. However, it is best to plant them as soon after gathering them as possible, and they may be planted in open beds to take the winter freeze, or they may be planted in flats and placed out in the open. They usually germinate the following spring.

In planting, make a small trench in the soil about one inch deep, place the seed in and firm them in with the edge of a small piece of wood or some blunt surface, then cover with soil. When the plants are large enough, separate them and transplant them, and as they grow larger place them farther apart. Plants that are vigorous growers may bloom the second year, others the third. When they bloom, the desirable ones can be placed in permanent positions in the garden, and undesirables discarded.

Iris are by nature a sun-loving plant, and usually thrive and do best out in the open, and rarely do well when planted under trees where the light is diminished by heavy foliage and the ground is sapped by the roots: in fact, they do best when not crowded by any other shrubs or plants, and when placed where they have plenty of room, light, and good drainage.

Iris are easily grown, however, but to get the best results, proper care must be given them. They will grow very well in almost any kind of soil, provided it has plant sustaining substance, and in case of lean or poor soil it may be necessary to fertilize to some extent, and in case this is required, bone meal and raw ground limestone are very good, both being slow acting agencies, and one application will last for some time. When fertilizers are used, mix well with the soil before setting your plants. When setting one rhizome, lift the dirt and place the plant in, spreading out the roots and leave the rhizome just below the surface of the ground.

When transplanting clumps, shovel out a hole large enough to receive the clump, maintaining the proper level, place the clump in and fill the space around it with water to enable the roots to make better contact with the soil of the new position. Be sure that the earth is firmly pressed around the plants after being reset. Keep the ground well worked around your plants and do not let weeds or grass grow up by them. A very distressing leaf rot sometimes attacks the foliage of iris plants, but it usually occurs when the foliage is crowded, or growing against its own growth or other things growing against them. When this occurs, it usually causes the entire crown to sluff off from the rhizome, but this does not necessarily kill the plant for it will very likely put out new growth, and it is best to cover the injured part with dry powdered sulphur. Occasionally rhizome rot will appear in plants and that is best treated by cutting or scraping out the affected part down to the solid tissues and sprinkle the place with powdered sulphur, or if badly injured it may be necessary to treat the rhizome with a solution of potassium permanaganate in a mixture of one level teaspoonful of the crystals to one quart of water. The damaged rhizome should be left out of the ground a few days before being reset. Spots sometimes appear on the leaves, and while this is not damaging to the plant, it is unsightly and can be remedied by spraying the entire plant with a bordeaux mixture. Iris borers sometimes attack plants and do a lot of damage, and while they are not found here in the Willamette Valley, they are prevalent in many parts of the country. The mother of this pest is a moth and she lays her eggs at the base of the plant, under the old dried foliage of the late fall, and by keeping all dry leaves from around the plants much may be done to prevent this enemy from coming into existence; if it does hatch, it first gets on the leaves and can be killed by spraying the young foliage in the early spring with a mixture of arsenate of lead, 1 ounce; fish oil soap, 1 ounce; and water, one gallon. If it manages to enter the leaf, it may be killed by pressing the leaf between the thumb and finger, provided it can be located, and should it be further successful in reaching the rhizome, it may be detected by a brownish substance showing around the crown, and if discovered in time, may be cut out and destroyed, or may be killed with a stiff wire being probed into the hole in the rhizome, and if not found and destroyed at this stage of its development, it will perhaps be able to eat out the entire inside of the rhizome, leaving only a shell. The cutworm is a near relative of the borer, but works differently, and does not injure other than small plants, and can be controlled fairly well by using a bait of one-fourth pound of arsenate of lead mixed well with one peck of dry bran. Then stir one pint of cheap molasses into one gallon of water. Then the bran and water are mixed to form a paste which can be scattered around any plants that you may want to protect.

Earwigs are a very serious nuisance in some districts, and while they do not injure iris plants to any great extent, they do damage other things in the garden, and their most annoying offense is to hide in the blooms and hitch-hike into your parlor. As many as a dozen of these disagreeable pests have been found in one lovely rose. A good bait for them is as follows, and will do a lot to control them. Bran, 12 pounds; sodium fluorosilicate, 1 pound. Mix well dry, and then stir in one quart of fish oil. Scatter this mixture around your plants, over your lawn, and through your borders, and any place where they may hide. They feed at night, and it is best to spread this bait in the evening. Another frightful enemy is the cockroach. This, one of the worst disease carriers of all pests, will come in from the worst germ-infested areas and crawl over your food if it can get at it, and while this pest has no connection with the subject (iris) it is a menace, for which if we can suggest a control, we are glad to be able to do so. The remedy for this bad actor is simply powdered borax. Place it in all places where the pest may hide, in every crack, behind all baseboards, and anywhere it may run, and the results will no doubt be gratifying.

If more specific and more detailed information is needed regarding the growing and care of iris, and also the regulation of various pests, it should be available from your county agent, or from the agricultural department at Washington, D. C.

In conclusion may we say that if any of these suggestions are of any benefit or help to our Iris lovers we will feel amply repaid for our efforts in offering them to you.

May complete and satisfying success crown your efforts in maintaining a beautiful flower garden full of lovely Iris, is our sincere wish.

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